

CLIENT CODE : C000138376

CLIENT'S NAME AND ADDRESS :

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156

SRL Ltd PLOT NO.160,POCKET D-11 SECTOR 8, ROHINI

PATIENT ID :

CLIENT PATIENT ID :

10/10/2022 16:09:25

POOJF21099262

NEW DELHI, 110085 NEW DELHI, INDIA Tel : 9111591115, Fax : CIN - U74899PB1995PLC045956 Email : customercare.pitampura@srl.in

ABHA NO :

REPORTED :

PATIENT NAME : POOJA KHATRI

ACCESSION NO : 0062VJ000198

DRAWN :

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

PP SAMPLE SNR

Test Report Status	<u>Final</u>	Results	Biological Reference Interval	Units

RECEIVED : 08/10/2022 08:18:29

SEX : Female

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

BLOOD COUNTS, EDTA WHOLE BLOOD				
HEMOGLOBIN	15.0		12.0 - 15.0	g/dL
RED BLOOD CELL COUNT	5.11	High	3.8 - 4.8	mil/µL
WHITE BLOOD CELL COUNT	10.04	High	4.0 - 10.0	thou/µL
PLATELET COUNT	472	High	150 - 410	thou/µL
RBC AND PLATELET INDICES				
HEMATOCRIT	46.4	High	36 - 46	%
MEAN CORPUSCULAR VOL	90.9		83 - 101	fL
MEAN CORPUSCULAR HGB.	29.4		27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	32.3		31.5 - 34.5	g/dL
MENTZER INDEX	17.8			
RED CELL DISTRIBUTION WIDTH	14.4	High	11.6 - 14.0	%
MEAN PLATELET VOLUME	7.6		6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT - NLR				
SEGMENTED NEUTROPHILS	55		40 - 80	%
ABSOLUTE NEUTROPHIL COUNT	5.52		2.0 - 7.0	thou/µL
LYMPHOCYTES	34		20 - 40	%
ABSOLUTE LYMPHOCYTE COUNT	3.41	High	1 - 3	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	1.6			
EOSINOPHILS	05		1 - 6	%
ABSOLUTE EOSINOPHIL COUNT	0.50		0.02 - 0.50	thou/µL
MONOCYTES	06		2 - 10	%
ABSOLUTE MONOCYTE COUNT	0.60		0.20 - 1.00	thou/µL
BASOPHILS	00		0 - 2	%
ABSOLUTE BASOPHIL COUNT	0	Low	0.02 - 0.10	thou/µL
DIFFERENTIAL COUNT PERFORMED ON:	EDTA SMEAR			
ERYTHRO SEDIMENTATION RATE, BLOOD				
SEDIMENTATION RATE (ESR)	09		0 - 20	mm at 1 hr







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8800465156 NEW DE Tel : 91 CIN - U			DELHI, 110085 DELHI, INDIA 9111591115, Fax : - U74899PB1995PLC045956 I : customercare.pitampura@srl.in		
PATIENT NAME : POOJA KHATRI			PATIENT ID : PC	OJF21099262	
ACCESSION NO : 0062VJ000198 A	GE: 30 Years SEX: Femal	e	ABHA NO :		
DRAWN :	RECEIVED : 08/10/2022 08:18	:29	REPORTED : 10/10/2022 1	6:09:25	
REFERRING DOCTOR : SELF CLINICAL INFORMATION : PP SAMPLE SNR			CLIENT PATIENT ID :		
Test Report Status <u>Final</u>	Results		Biological Reference Inte	rval Units	
METHOD : WESTERGREN METHOD GLUCOSE, FASTING, PLASMA					
GLUCOSE, FASTING, PLASMA METHOD : SPECTROPHOTOMETRY, O-CRESOLPHTH	91 HALEIN COMPLEXONE		74 - 99	mg/dL	
GLYCOSYLATED HEMOGLOBIN, EDT	A WHOLE BLOOD				
GLYCOSYLATED HEMOGLOBIN (HBA1C)	5.2		Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%	
MEAN PLASMA GLUCOSE	102.5		< 116.0	mg/dL	
GLUCOSE, POST-PRANDIAL, PLASM	Α				
GLUCOSE, POST-PRANDIAL, PLASMA CORONARY RISK PROFILE, SERUM	SAMPLE NOT REC	EIVED		mg/dL	
CHOLESTEROL	146		< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL	
METHOD : CHOD-POD TRIGLYCERIDES	84		< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL	
METHOD : LIPASE / GLUCOSE DEHYDROGENASE HDL CHOLESTEROL	33	Low	< 40 Low	mg/dL	
CHOLESTEROL LDL	96		>/=60 High < 100 Optimal	mg/dL	
NON HDL CHOLESTEROL	113		100 - 129 Near optimal/ above optima 130 - 159 Borderline High 160 - 189 High >/= 190 Very High Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	l mg/dL	







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CHOL/HDL RATIO	4.4		3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk > 11.0 High Risk	
LDL/HDL RATIO	2.9		0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate >6.0 High Risk	Risk
VERY LOW DENSITY LIPOPROTEIN	16.8		= 30.0</td <td>mg/dL</td>	mg/dL
LIVER FUNCTION PROFILE, SERUM				
BILIRUBIN, TOTAL	0.49		0.2 - 1.0	mg/dL
METHOD : SULPH ACID DPL/CAFF-BENZ				
BILIRUBIN, DIRECT	0.10		0.0 - 0.2	mg/dL
METHOD : SULPH ACID DPL/CAFF-BENZ				
BILIRUBIN, INDIRECT	0.39		0.1 - 1.0	mg/dL
METHOD : SPECTROPHOTOMETRY, MODIFIED DIAZO METHOD (JENDRASSIK AND GROF)				
TOTAL PROTEIN	7.9		6.4 - 8.2	g/dL
METHOD : SPECTROPHOTOMETRIC				
ALBUMIN	4.1		3.4 - 5.0	g/dL
METHOD : SPECTROPHOTOMETRIC	2.0			<i>/</i> II
	3.8		2.0 - 4.1	g/dL
METHOD : CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO	1.1		1.0 - 2.1	RATIO
METHOD : CALCULATED PARAMETER	1.1		1.0 - 2.1	KATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	23		15 - 37	U/L
METHOD : SPECTROPHOTOMETRIC-IFCC WITH UV WITH PYRIDOX			15 57	0/2
ALANINE AMINOTRANSFERASE (ALT/SGPT)	45	High	< 34.0	U/L
METHOD : SPECTROPHOTOMETRIC-IFCC WITH UV WITH PYRIDOX	AL-5-PHOSPHATE	5		-,-
ALKALINE PHOSPHATASE	58		30 - 120	U/L
METHOD : SPECTROPHOTOMETRIC				
GAMMA GLUTAMYL TRANSFERASE (GGT)	15		5 - 55	U/L

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METHOD : SPECTROPHOTOM				100 100	
	-	176		100 - 190	U/L
SERUM BLOOD UREA		-		c 20	
BLOOD UREA NITROGEI	IN	7		6 - 20	mg/dL
METHOD : UREASE KINETIC					
CREATININE, SERUM					
CREATININE		0.64		0.60 - 1.10	mg/dL
METHOD : SPECTROPHOTOM	EIRY, O-CRESOLPHTHAL	LIN COMPLEXONE			
BUN/CREAT RATIO				F 06	
BUN/CREAT RATIO		10.94		5.00 - 15.00	
URIC ACID, SERUM					
URIC ACID		3.7		2.6 - 6.0	mg/dL
METHOD : URICASE/CATALAS					
TOTAL PROTEIN, SER	NUM				
TOTAL PROTEIN		7.9		6.4 - 8.2	g/dL
METHOD : BIURET					
ALBUMIN, SERUM					
ALBUMIN		4.1		3.4 - 5.0	g/dL
METHOD : SPECTROPHOTOM	ETRY, O-CRESOLPHTHAL	EIN COMPLEXONE			
GLOBULIN					
GLOBULIN		3.8		2.0 - 4.1	g/dL
METHOD : SPECTROPHOTOM	ETRY, O-CRESOLPHTHAL	EIN COMPLEXONE			
ELECTROLYTES (NA/I	K/CL), SERUM				
SODIUM		131	Low	136 - 145	mmol/L
METHOD : ISE INDIRECT					-
POTASSIUM		4.55		3.50 - 5.10	mmol/L
CHLORIDE		98		98 - 107	mmol/L
METHOD : ISE INDIRECT					- , -
PHYSICAL EXAMINAT	ION, URINF				

SEX : Female

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PHYSICAL EXAMINATION, URINE

COLOR

PALE YELLOW







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ABHA NO :

REPORTED :

PATIENT NAME : POOJA KHATRI

ACCESSION NO : 0062VJ000198

DRAWN :

AGE: 30 Years

RECEIVED : 08/10/2022 08:18:29

SEX : Female

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

PP SAMPLE SNR

Test Report Status <u>Final</u>	Results	Biological Reference Interva	l Units
APPEARANCE	SLIGHTLY HAZY		
SPECIFIC GRAVITY	1.005	1.003 - 1.035	
CHEMICAL EXAMINATION, URINE			
PH	5.5	4.7 - 7.5	
PROTEIN	NOT DETECTED	NOT DETECTED	
GLUCOSE	NOT DETECTED	NOT DETECTED	
KETONES	NOT DETECTED	NOT DETECTED	
BLOOD	DETECTED (TRACE)	NOT DETECTED	
BILIRUBIN	NOT DETECTED	NOT DETECTED	
UROBILINOGEN	NORMAL	NORMAL	
NITRITE	NOT DETECTED	NOT DETECTED	
LEUKOCYTE ESTERASE	DETECTED (+)	NOT DETECTED	
MICROSCOPIC EXAMINATION, URINE			
PUS CELL (WBC'S)	8-10	0-5	/HPF
EPITHELIAL CELLS	5-7	0-5	/HPF
ERYTHROCYTES (RBC'S)	2 - 3	NOT DETECTED	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
YEAST	NOT DETECTED	NOT DETECTED	
REMARKS	NOTE:- MICROSCOPIC EXAMINATION OF URINE IS PERFORMED B' CENTRIFUGED URINARY SEDIMENT.		MED BY
THYROID PANEL, SERUM			
Т3	130.10	80.00 - 200.00	ng/dL
T4	8.93	5.10 - 14.10	µg/dL
TSH 3RD GENERATION	2.600	0.270 - 4.200	µIU/mL
STOOL: OVA & PARASITE			
COLOUR	SAMPLE NOT RECEIVED		
ABO GROUP & RH TYPE, EDTA WHOLE BLOOD			







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ABO GROUP	TYPE O	
METHOD : TUBE AGGLUTINATION		
RH TYPE	POSITIVE	
METHOD : TUBE AGGLUTINATION		
XRAY-CHEST		
»»	BOTH THE LUNG FIELDS A	
»»		C AND CARIOPHRENIC ANGELS ARE CLEAR
»»	BOTH THE HILA ARE NOR	
»»	CARDIAC AND AORTIC SH	
»»	BOTH THE DOMES OF THE	DIAPHRAM ARE NORMAL
»»	VISUALIZED BONY THORA	X IS NORMAL
IMPRESSION	NO ABNORMALITY DETEC	TED
TMT OR ECHO		
TMT OR ECHO	NEGATIVE	
ECG		
ECG	WITHIN NORMAL LIMITS	
ANTHROPOMETRIC DATA & BMI		
HEIGHT IN METERS	1.66	mts
WEIGHT IN KGS.	70.15	Kgs
BMI	25	BMI & Weight Status as follows: kg/sqmts Below 18.5: Underweight 18.5 - 24.9: Normal 25.0 - 29.9: Overweight 30.0 and Above: Obese
GENERAL EXAMINATION		
PULSE	78/MIN REGULAR, ALL PE BRUIT	RIPHERAL PULSES WELL FELT, NO CAROTID
RESPIRATORY RATE	NORMAL	
CARDIOVASCULAR SYSTEM		
ВР	118/70 MM HG (SITTING)	mm/Hg

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MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE ULTRASOUND ABDOMEN

ULTRASOUND ABDOMEN

ULTRASOUND WHOLE ABDOMEN

Liver is normal in size, outline & normal echotexture. No obvious focal parenchymal lesion/biliary dilatation is seen. Hepatic veins and portal venous radicals are normal.

Gall bladder is partially distended and appears grossly normal.

Common bile duct is not dilated. Portal vein is normal in course and caliber.

Pancreas

Pancreas is normal in size, outline and echotexture. No evidence of any focal lesion or calcification is seen. Pancreatic duct is not dilated.

Spleen

Spleen is normal in size, outline and echotexture .No focal lesion/ calcification is seen.

Kidneys

Both kidneys are normal in size, outline and echotexture. Corticomedullary differentiation is well maintained. Parenchymal thickness is normal. No mass lesion, calculus or hydronephrosis is seen.

No significant retroperitoneal lymphadenopathy/ascites is seen.

Urinary Bladder

Urinary bladder is adequately distended with normal outline.No mass lesion, calculus or diverticulum is noted in the urinary bladder.Urinary bladder wall thickness is normal.

Uterus

Uterus is anteverted with normal in size outline and echotexture. Endometrial thickness is 10mm. No obvious myometrial/endometrial pathology seen.

Both adnexae

Both ovaries are are mildly bulky and show peripheral small follicles-likely PCOD. Adv- TVS and hormonal correlation.







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No obvious adnexal pathology is seen. POD is clear.

Correlate clinically

Interpretation(s)

BLOOD COUNTS, EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology. WBC DIFFERENTIAL COUNT - NLR-

The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients ; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504 This ratio element is a calculated parameter and out of NABL scope. ERYTHRO SEDIMENTATION RATE, BLOOD-

Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is influences of the pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Reference :

Nathan and Oski's Haematology of Infancy and Childhood, 5th edition
 Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin
 The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th Edition"

GLUCOSE, FASTING, PLASMA-

ADA 2021 guidelines for adults, after 8 hrs fasting is as follows: Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (GHb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of GHb is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of GHb is directly proportional to the concentration of glucose in the blood,

the GHb concentration represents the integrated values for glucose over the preceding 6-8 weeks. Any condition that alters the life span of the red blood cells has the potential to alter the GHb level. Samples from patients with hemolytic anemias will exhibit decreased glycated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia

or post-splenectomy may exhibit increased glycated hemoglobin values due to a somewhat longer life span of the red cells. Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of

testing such as glycated serum protein (fructosamine) should be considered. "Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient considerations."

References

1. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 879-884.

2. Forsham PH. Diabetes Mellitus: A rational plan for management. Postgrad Med 1982, 71,139-154.

3. Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184.





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GLUCOSE, POST-PRANDIAL, PLASMA-ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75 grams of glucose in 300 ml water, over a period of 5 minutes

LIVER FUNCTION PROFILE, SERUM-

LIVER FUNCTION PROFILE

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors &Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity. ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease. GGT is an enzyme found in cell membranes of many tissues mainly in the liver, kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity.Serum GGT has been widely used as an index of liver dysfunction.Elevated serum GGT activity can be found in diseases of the liver, biliary system and pancreas.Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-inducing drugs etc. Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc. Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by:Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc

SERUM BLOOD UREA NITROGEN-

Causes of Increased levels Pre renal

High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal
 Renal Failure

Post Renal • Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

Liver disease

SIADH. CREATININE, SERUM-

Higher than normal level may be due to:

Blockage in the urinary tract
Kidney problems, such as kidney damage or failure, infection, or reduced blood flow

Loss of body fluid (dehydration)

Muscle problems, such as breakdown of muscle fibers
Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

Myasthenia Gravis
 Muscular dystrophy URIC ACID, SERUM-

Causes of Increased levels

Dietary

 High Protein Intake. Prolonged Fasting.

Rapid weight loss.



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AGE :

30 Years

CLIENT CODE : C000138376

CLIENT'S NAME AND ADDRESS :

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI NEW DELHI 110030 DELHI INDIA 8800465156 SRL Ltd PLOT NO.160,POCKET D-11 SECTOR 8, ROHINI

NEW DELHI, 110085 NEW DELHI, INDIA Tel : 9111591115, Fax : CIN - U74899PB1995PLC045956 Email : customercare.pitampura@srl.in

ABHA NO :

REPORTED :

PATIENT NAME : POOJA KHATRI

ACCESSION NO : 0062VJ000198

DRAWN :

REFERRING DOCTOR : SELF

CLINICAL INFORMATION :

PP SAMPLE SNR

Test Report Status

Results

RECEIVED: 08/10/2022 08:18:29

SEX : Female

Biological Reference Interval Units

10/10/2022 16:09:25

PATIENT ID :

CLIENT PATIENT ID :

POOJF21099262

Gout Lesch nyhan syndrome. Type 2 DM. Metabolic syndrome.

Causes of decreased levels

Low Zinc Intake

OCP's

Multiple Sclerosis

Nutritional tips to manage increased Uric acid levels

Final

Drink plenty of fluids

Limit animal proteins
High Fibre foods

• Vit C Intake

Antioxidant rich foods

TOTAL PROTEIN, SERUM-

Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum...Protein in the plasma is made up of albumin and globulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage),Burns,Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome,Protein-losing enteropathy etc. ALBUMIN, SERUM-

Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc.

ELECTROLYTES (NA/K/CL), SERUM-Sodium levels are Increased in dehydration, cushing's syndrome, aldosteronism & decreased in Addison's disease, hypopituitarism, liver disease. Hypokalemia (low K) is common in vomiting, diarrhea, alcoholism, folic acid deficiency and primary aldosteronism. Hyperkalemia may be seen in end-stage renal failure, hemolysis, trauma, Addison's disease, metabolic acidosis, acute starvation, dehydration, and with rapid K infusion. Chloride is increased in dehydration, renal tubular acidosis (hyperchloremia metabolic acidosis), acute renal failure, metabolic acidosis associated with prolonged diarrhea and loss of sodium bicarbonate, diabetes insipidus, adrenocortical hyperfuction, sallcylate intoxication and with excessive infusion of isotonic saline or extremely high dietary intake of salt. Chloride is decreased in overhydration, chronic respiratory acidosis, salt-losing nephritis, metabolic alkalosis, congestive heart failure, Addisonian crisis, certain types of metabolic acidosis, persistent gastric secretion and prolonged vomiting.

prolonged vomiting, MICROSCOPIC EXAMINATION, URINE-

Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection.

pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine. Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of hemolytic anemia

THYROID PANEL, SERUM-

Trilodo tryronine T3, is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.



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CLIENT CODE : C000138376

NEW DELHI 110030

DELHI INDIA

8800465156

CLIENT'S NAME AND ADDRESS : SRL Ltd ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI PLOT NO.160, POCKET D-11 SECTOR 8, ROHINI NEW DELHI, 110085 NEW DELHI, INDIA Tel: 9111591115, Fax: CIN - U74899PB1995PLC045956 Email : customercare.pitampura@srl.in

PATIENT NAME : POOJA KHATRI PATIENT ID : POOJF21099262 0062VJ000198 AGE : 30 Years SEX : Female ABHA NO : ACCESSION NO : DRAWN : RECEIVED : 08/10/2022 08:18:29 **REPORTED** : 10/10/2022 16:09:25 REFERRING DOCTOR : SELF CLIENT PATIENT ID : **CLINICAL INFORMATION :** PP SAMPLE SNR Test Report Status Results **Biological Reference Interval** Units **Final**

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

T4, TSH & Total T3

Below mentioned are	the guidelines for Pr	egnancy related ref	erence ranges for Total
Levels in	TOTAL T4	TSH3G	TOTAL T3
Pregnancy	(µg/dL)	(µIU/mL)	(ng/dL)
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260
Below mentioned are	the guidelines for ag	e related reference	ranges for T3 and T4.
Т3	Ť	4	-
(ng/dL)	(µq/	dL)	
New Born: 75 - 260	1-3 day: 8	.2 - 19.9	
	1 Week: 6.0	- 15.9	

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group. Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

Reference:

1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.

Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
 Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

STOOL: OVA & PARAŠITE-

Acute infective diarrhoea and gastroenteritis (diarrhoea with vomiting) are major causes of ill health and premature death in developing countries. Loss of water and electrolytes from the body can lead to severe dehydration which if untreated, can be rapidly fatal in young children, especially that are malnourished, hypoglycaemic, and generally in poor health.

Laboratory diagnosis of parasitic infection is mainly based on microscopic examination and the gross examination of the stool specimen. Depending on the nature of the parasite, the microscopic observations include the identification of cysts, ova, trophozoites, larvae or portions of adult structure. The two classes of parasites that cause human infection are the Protozoa and Helminths. The protozoan infections include amoebiasis mainly caused by Entamoeba histolytica and giardiasis caused by Giardia lamblia. The common helminthic parasites are Trichuris trichiura, Ascaris lumbricoides, Strongyloides stercoralis, Taenia sp. etc ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-

Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same.

The test is performed by both forward as well as reverse grouping methods.

End Of Report

Please visit www.srlworld.com for related Test Information for this accession

Dr. Kamlesh I Prajapati **Consultant Pathologist**



